

Department of Transportation—Federal Aviation Administration

Supplemental Type Certificate

Number SA01830SE

This certificate, issued to

Precise Flight, Inc.
63354 Powell Butte Road
Bend, OR 97701

certifies that the change in the type design for the following product with the limitations and conditions therefor as specified hereon meets the airworthiness requirements of Part 23 of the Federal Aviation Regulations.

Original Product—Type Certificate Number:

2A3

Make:

Mooney Airplane Company Inc.

Model:

M20M, M20S, M20R, and M20TN,

Description of the Type Design Change: Installation of a Fixed Oxygen System **Manufactured** in accordance with Precise Flight drawing lists 106N0000, Revision A, dated April 7, 2008, 100N0000, Revision AE, dated January 31, 2008, 035N0000, Revision —(IR), dated February 17, 2008, 027N0000, Revision E, dated September 5, 2007, 026N0000, Revision F, dated January 9 2008, 020N0000, Revision G, dated August 27, 2007, 016N0000, Revision C, dated September 5, 2007, 012N0000, Revision —(IR), dated May 20, 2005, 011N0000, Revision A, dated April 8, 2007, 010N0000, Revision J, dated January 25, 2008, and 009N0000, Revision C, dated June 6, 2007, or later FAA-approved revisions. **Installed** in accordance with Precise Flight Engineering Drawing List 106N0000, Revision A, dated April 7, 2008, or later FAA-approved revisions. **Maintained** in accordance with the Instructions for Continued Airworthiness Precise Flight Document 106NMAN0002, Revision — (IR), dated February 22, 2008, or later FAA accepted revision.

Limitations and Conditions: Approval of this change in type design applies to the above model aircraft only. This approval should not be extended to other aircraft of these models on which other previously approved modifications are incorporated unless it is determined that the relationship between this change and any of those other previously approved modifications, including changes in type design, will introduce no adverse effect upon the airworthiness of that aircraft. A copy of this certificate and FAA approved AFMS, Precise Flight Inc. Document 106NMAN0001, Revision — (IR), dated April 9, 2008, or later FAA-approved revisions, must be maintained as part of the permanent records for the modified aircraft. The oxygen system installed in accordance with this STC is qualified for operations up to and including 25,000 feet, but this installation does not change the maximum operating altitude of the airplane on which it is installed.

If the holder agrees to permit another person to use this certificate to alter the product, the holder shall give the other person written evidence of that permission.

See Continuation Sheet for additional Limitations and Conditions

This certificate and the supporting data which is the basis for approval shall remain in effect until sur-rendered, suspended, revoked, or a termination date is otherwise established by the Administrator of the Federal Aviation Administration.

Date of application: December 12, 2007

Date reissued:

Date of issuance: April 15, 2008

Date amended: February 12, 2009



By direction of the Administrator

(Signature)
Acting Manager, Seattle Aircraft
Certification Office

(Title)

Any alteration of this certificate is punishable by a fine of not exceeding \$1,000, or imprisonment not exceeding 3 years, or both.

This certificate may be transferred in accordance with FAR 21.47.

United States of America
Department of Transportation Federal Aviation Administration
Supplemental Type Certificate
(Continuation Sheet)
Number SA01830SE

Issued to: **Precise Flight, Inc.**

Date of Issuance: **April 15, 2008**

Date Amended: **February 12, 2009**

Limitations and Conditions: (cont'd)

Note: This continuation sheet is applicable to the STC as issued on April 15, 2008.

Certification Basis:

The certification basis for this modification is in accordance with Type Certificate Data Sheet, 2A3. Additionally, for areas changed by this STC modification, the applicant has volunteered compliance with the following:

23.21, 23.23, 23.25, 23.29, 23.301, 23.303, 23.305, 23.307, 23.321, 23.333, 23.337, 23.341, 23.561, 23.573, 23.603, 23.605, 23.607, 23.609, 23.611, 23.613, 23.619, 23.623, 23.625, 23.773, 23.777, 23.853, 23.867, 23.1301, 23.1307, 23.1309, 23.1322, 23.1351, 23.1357, 23.1359, 23.1365, 23.1367, 23.1381, 23.1431, 23.1438, 23.1441, 23.1443, 23.1445, 23.1447, 23.1449, 23.1451, 23.1453, 23.1501, 23.1519, 23.1525, 23.1527, 23.1529, 23.1541, 23.1543, 23.1557, 23.1581, 23.1583, 23.1585, at the amendment levels in effect on December 12, 2007, the date of application.

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